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JUL 16 2003

Group No.: 1653

Examiner: GUPTA, A.

TECH CENTER 1600/2900

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 11, 2003.

By:

Sharon Bizokas

Sir:

Transmitted herewith for filing in the above-referenced patent application are the following documents:

1. Search Report Information Disclosure Statement (4 pages) and 1449 Form (1 page);
2. Copy of European Search Report (4 pages);
3. References for IDS (2 references);
4. This transmittal letter (1 page) (x2); and
5. Return Receipt Postcard

The Commissioner is hereby authorized to charge any excess fees that may be required, or credit any overpayment to Deposit Account No. 04-1105. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: July 11, 2003

Kathryn A. Piffat, Ph.D.

Kathryn A. Piffat, Ph.D., Reg. No. 34,901  
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Docket No. 45487/55503

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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JUL 16 2003

TECH CENTER 1600/2900

Applicant: Arne HOLM, et al.

Serial No.: 09/551,336

Group No.: 1653

Filed: April 18, 2000

Examiner: GUPTA, A.

For: IMPROVED SOLID-PHASE PEPTIDE SYNTHESIS AND AGENT  
FOR USE IN SUCH SYNTHESIS

\*\*\*\*\*  
CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 11, 2003.

By:

  
Sharon Bizokas

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**SEARCH REPORT INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.97 and §1.98, Applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- a. X Submitted herewith is a legible copy of (i) each U.S and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b. \_\_\_\_\_ Each of the patents, publications or other information listed on the attached PTO-1449 was previously cited by or submitted to the USPTO in connection with U.S.S.N.: 08/000,000, to which the subject application claims the benefit of the earlier filing date. As such, a copy of each is not included herewith pursuant to 37 C.F.R. § 1.97(d).

III. CONCISE EXPLANATION OF THE RELEVANCE

(check at least one box)

- a. X Except as may be indicated below in (b), all of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).

- b. \_\_\_\_\_ A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:

- \_\_\_\_\_ English translation for reference(s) \_\_\_\_\_.
- \_\_\_\_\_ English abstract for reference(s).
- \_\_\_\_\_ English translation of search report/ official communication.
- \_\_\_\_\_ Copy of PCT/EPO Search Report.

- c. X The following additional information is provided for the Examiner's consideration:

- X A copy of EPO Search Report, dated 08 August 2002.
- \_\_\_\_\_ A copy of PCT Search Report.
- \_\_\_\_\_ A copy of Official Communication from the \_\_\_\_\_ Patent Office.
- \_\_\_\_\_ English translation of search report/ official communication.
- \_\_\_\_\_ Copies of U.S. Patent \_\_\_\_\_ were previously provided with the Information Disclosure Statement filed 20 August 2002 (concurrently with the application).

**FEES****IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b)  
(check one box)**

- a. \_\_\_\_\_ within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1)). No fee or certification is required.
- b. \_\_\_\_\_ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or certification is required.
- c.   X   before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

**V. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):  
(check one box)**

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c) (1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c) (2)).

- a. \_\_\_\_\_ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
- or
- b. \_\_\_\_\_ See the certification below. No fee is required.

**VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e) (check only one box)**

The undersigned hereby certifies that

- a. \_\_\_\_\_ each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. \_\_\_\_\_ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any

individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

- c. \_\_\_\_\_ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

VII. FEE PAYMENT (check one)

\_\_\_\_\_ Enclosed please find a check in the amount of \$180.00 for the above-indicated fee.

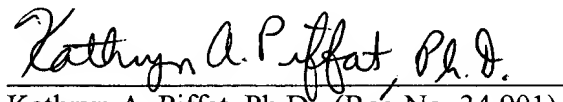
\_\_\_\_\_ Please charge Deposit Account No. 04-1105 in the amount of \$180.00 for the above-indicated fee.

X No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule, with a petition if necessary, and charge the appropriate fee to Deposit Account No. 04-1105.

Respectfully submitted,

Date: July 11, 2003

  
Kathryn A. Piffat, Ph.D., (Reg No. 34,901)  
Intellectual Property Practice Group of  
Edwards & Angell, LLP  
PO BOX 9169  
Boston, MA 02209

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT



ATTY DOCKET NO.

45487/55503

SERIAL NO.

09/551,336

APPLICANT(S): Arne HOLM, et al.

FILING DATE:

April 18, 2000

ART UNIT:

1654

## UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPR

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN YES/NO

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

CA	W.E. Rapp, et al., "Prediction and prevention of peptide conformations during synthesis" Peptides, Chemistry, Structure and Biology, pp. 40-43 (1994)
CB	Bruce Merrifield, "Solid Phase Synthesis", Science 232:341-347 (1986)

Examiner:

Date: